

CLAMS

1. An antibacterial composition for topical administration comprising a penem antibiotic or a pharmaceutically acceptable salt thereof in a non-aqueous base.
2. The composition of Claim 1 wherein the penem antibiotic is (+)-(5R, 6S)-6-[(R)-1-hydroxyethyl]-7-oxo-3-[(R)-2-tetrahydrofuryl]-4-thia-1-azabicyclo[3.2.0]hepto-2-ene-2-carboxylic acid or a pharmaceutically acceptable salt thereof.
3. The composition of Claim 1 or 2 wherein the non-aqueous base comprises a hydrophobic polymer compound.
4. The composition of Claim 3 wherein the hydrophobic polymer compound is one or more members selected from the group consisting of hydrocarbon gel, paraffin, liquid paraffin, white petrolatum, hydrophilic petrolatum, petrolatum, microcrystalline wax, plant oils, carnauba wax, beeswax, stearic acid, stearyl alcohol, cacao butter, cetanol, hard fat, white ointment, simple ointment, ceresin and Eudragit (aminoalkyl methacrylate copolymer E, aminoalkyl methacrylate copolymer RS, methacrylic acid copolymer L, methacrylic acid copolymer S, ethyl acrylate-methyl methacrylate copolymer emulsion).
5. The composition of Claim 3 wherein the hydrophobic polymer compound is a hydrocarbon gel or white petrolatum.
6. The composition of any one of Claims 1 to 5 further comprising one or more additives selected from gelatinizers, thickening agents, viscosifiers, viscosity enhancers and

elasticizers incorporated in the base.

7. The composition of any one of Claims 1 to 5 further comprising one or more of water-soluble or hydrophilic polymer compounds incorporated in the base.

8. The composition of Claim 7 wherein the water-soluble or hydrophilic polymer compound is one or more members selected from the group consisting of carmellose, carmellose sodium, polyvinyl alcohol, polyvinyl pyrrolidone, polyacrylic acid, sodium polyacrylate, hydroxymethylcellulose, hydroxypropylcellulose, hydroxypropylmethylcellulose, hydroxyethylcellulose, hydroxyethylmethylcellulose, xanthan gum, tragacanth gum, guar gum, locust bean gum, arabic gum, chitosan, sodium alginate, starches, gelatins, hydrophobic hydroxypropylmethylcellulose, which is incorporated at 0.1 to 10% by weight on the basis of the composition.

9. The composition of any one of Claims 1 to 8 for dermatological external use.

10. The composition of any one of Claims 1 to 8 for dental external use.